

**COMMISSIONERS PREAGENDA
FOR THE REGULAR MEETING OF
CLALLAM COUNTY PUBLIC UTILITY DISTRICT #1
BOARD OF COMMISSIONERS
MAY 24, 2021 at 1:30 PM**

Join Zoom Meeting: <https://zoom.us/j/96168237295?pwd=U1JOWjBZSHBnaTIrcm5MQVFLVnlKdz09>

Meeting ID: 961 6823 7295 | **Passcode:** 539744

One tap mobile: +12532158782,,96168237295#,,,,*539744# US (Tacoma)

Find your local number: +1 253 215 8782 US (Tacoma)

- **Consent Agenda Items**

The Commissioners will consider approving Consent Agenda items.

- **Smart Energy Provider (SEP) Presentation**

Staff will present an update on the District's Smart Energy Provider status.

- **RESOLUTION 2196-21 Establishing the Current Schedule of Deposits and Charges, Electric Line Extension Unit Prices**

The Commissioners will consider adopting Resolution 2196-21 Establishing the Current Schedule of Deposits and Charges, Electric Line Extension Unit Prices and Rescinding Resolution 2176-20.

Staff requests a motion, second, and vote: The Board adopts Resolution 2196-21 Establishing the Current Schedule of Deposits and Charges, Electric Line Extension Unit Prices and Rescinding Resolution 2176-20.

- **Acceptance Memo of Completion Contract No. 201009**

The Commissioners will consider authorizing Acceptance Memo of Completion for Contract No. 201009 with Rognlins Inc., for replacement of a portion of a water main in Clallam Bay.

Staff requests a motion, second, and vote: The Board authorizes Acceptance Memo of Completion for Contract No. 201009 with Rognlins Inc., for replacement of a portion of a water main on 8th Street in Clallam Bay for a total project cost of \$168,001.40 (including WSST).

- **American Rescue Plan Act (ARPA) Fund Transfer Request**

The Commissioners will consider signing a letter requesting that the Clallam County Commissioners make the District a sub-recipient for ARPA funds.

Staff requests a motion, second, and vote: The Board will sign the letter requesting that the Clallam County Commissioners make the District a sub-recipient for ARPA funds, in order to resolve current arrearages due to the pandemic and to fund broadband, SCADA, and water system infrastructure projects.

- **Potential Impacts of Vehicle Electrification on the District's Electric System**

Staff will present an overview of the potential impacts that vehicle electrification may have on the District's electric system.

- **Executive Session**

The Commissioners will hold an executive session to review the performance of a public employee, pursuant to RCW 42.30.110(1)(g).

The Commissioners will also consider the customary business matters associated with approval of payments, minutes of the previous meeting, reports from Commissioners and staff, comments from the public, and other items of information or general business. Items may be added to, or removed from, the agenda at the meeting.

AGENDA
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1. CALL TO ORDER

2. APPROVAL OF CONSENT AGENDA

- a. Minutes of the May 10, 2021 regular meeting;
- b. Claim vouchers for May 10 through May 17, 2021 for a total of \$1,124,285.75;
and
- c. Payroll vouchers for the period of April 16 through April 30, 2021.

3. AGENDA REVISIONS

4. COMMENTS FROM THE PUBLIC

5. BUSINESS ITEMS

- a. Smart Energy Provider (SEP) presentation Mattias Jarvegren
- b. RESOLUTION 2196-21 Establishing the Current Schedule Travis McClain
of Deposits and Charges, Electric Line Extension Unit Prices
- c. Acceptance Memo of Completion Contract No. 201009 Tom Martin
(Clallam Bay 8th Street Water Main Replacement)
- d. Clallam PUD ARPA Fund Transfer Request Sean Worthington

6. CORRESPONDENCE/COMMUNICATIONS

7. COMMISSIONER REPORTS

8. STAFF REPORTS

- a. Action items from Board Doug Nass
 - i. Standard practice going forward: prior posting of specific business items
for commentary prior to Board vote
 - ii. Broadband reorganization
 - iii. June 8 presentation of District's vegetation efforts re: wildfire mitigation
 - iv. Plans for public solar workshop in June
- b. Potential impacts of vehicle electrification on the District's John Purvis
electric system

9. COMMENTS FROM THE PUBLIC

10. EXECUTIVE SESSION

- a. Executive Session for the Performance Evaluation of a Public Employee

11. ADJOURN

CLALLAM COUNTY PUBLIC UTILITY DISTRICT #1
Minutes of the Regular Meeting of the Board of Commissioners
Main Office | 104 Hooker Road | Sequim, WA 98382
MAY 10, 2021 – This meeting was held remotely via ZOOM

Commissioners Present

Will Purser, President
Rick Paschall, Vice President
Jim Waddell, Secretary

Staff Present

Doug Nass, General Manager
John Purvis, Assistant General Manager
Sean Worthington, Finance Manager/Treasurer
Bill Decker, Forks Operations Superintendent
Terry Lind, Port Angeles Operations Superintendent
Travis McClain, Water/Wastewater Systems
Coordinator
Xanthius Christensen, Engineer
Ben Phillips, Engineer
Mike Hill, Engineering Manager
Tom Martin, Water/Wastewater Manager

Nicole Hartman, Communications Manager
Lori Carter, Controller/Auditing Officer
Ruth Kuch, Financial Analyst
Jamie Spence, HR Manager
Rebecca Turner, Sr. Accountant
Tyler King, Power Analyst
Larry Morris, Safety Manager
Shawn Delplain, Broadband Supervisor
Steve Schopfer, IT Manager
Teresa Lyn, Executive Assistant

Others Present as Identified

Patti Morris
Janet Marx
Krestine Reed
Paula Simpson-Barnes
Murphy Jackson

The meeting commenced at 1:30 PM.

CONSENT AGENDA 2:48

Upon recommendation of staff, and upon motion of Commissioner Paschall seconded by Commissioner Waddell and carried, the Commissioners approved the following consent agenda items:

- a. Minutes of the April 12, 2021 regular meeting;
- b. Claim vouchers for April 12 through May 3, 2021 for a total of \$5,304,053.86;
- c. Payroll vouchers for the period of March 16 through April 15, 2021;
- d. Removal of delinquent accounts from January 2021 active accounts receivable totaling \$5,499.82 including a 30% collection fee;
- e. Contractor prequalification for DJ/S Electrical, Inc. in the amount of \$2,500,000 for the upcoming calendar year; and
- f. Contractor prequalification for Olympic Electric Company, Inc., in the amount of \$1,250,000 for the upcoming calendar year.

AGENDA REVISIONS 2:41

Later in the meeting, due to the number of business items to left address, and the anticipated length of the meeting, Utility Services Supervisor Mattias Jarvegren will present the on the District's Smart Provider (SEP) designation at the May 24th board meeting.

COMMENTS FROM THE PUBLIC 7:54

There was no public comment.

BUSINESS ITEMS 8:02

General Manager Doug Nass and Communications Manager Nicole Hartman presented an overview to Commissioners on the District's Reliable Public Power Provider (RP3) designation. A RP3 designation is a sign of a utility's dedication to operating an efficient, safe, and reliable distribution system. Being recognized by the RP3 program demonstrates to community leaders, governing board members, suppliers, and service providers a utility's commitment to its employees, customers, and community. The District is very proud to have received the highest RP3 Diamond Provider (100% of 100) rating by the American Public Power Association (APPA). Staff provided detailed presentations on the following RP3 proficiencies:

1. Reliability (by John Purvis and Steve Schopfer);
2. Safety (by Larry Morris);
3. Workplace development (by Jamie Spence);
4. System Improvement (by John Purvis and Sean Worthington).

As part of the above review, Finance Manager/Treasurer Sean Worthington also presented on the District's financial health. He then presented on the status of the District's partnering with the Olympic Community Action Programs (OlyCAP) low-income program to meet the 2019 Clean Energy Transformation Act (CETA) compliance, with the goal of achieving an electricity supply free of greenhouse gas emissions by 2045 while also providing energy assistance to low-income customers.

The meeting convened and recessed at 3:08 PM for a break. The meeting reconvened at 3:13 PM.

BUSINESS ITEMS CONTINUED 1:44

Upon recommendation of staff, and upon motion of Commissioner Paschall, seconded by Commissioner Waddell and carried, the Board authorized staff to award Bid No. 210802 to purchase a Sherman Reilly diesel engine trailer-mounter puller DDXA-75 from Sherman & Reilly, Inc. for a purchase price of \$175,964.00 (not including WSST).

Upon recommendation of staff, and upon motion of Commissioner Waddell, seconded by Commissioner Paschall and carried, the Board authorized staff to award Bid No. 211003 for pole inspection, treating, and reporting to Pacific Pole Inspection, LLC., from Kelso, WA. This contract will have an estimated not-to-exceed amount of \$129,368.00 (not including WSST).

Upon recommendation of staff, and upon motion of Commissioner Waddell, seconded by Commissioner Paschall and carried, the Board voted to postpone voting on Resolution 2196-21 Establishing the Current Schedule of Deposits and Charges, Electric Line Extension Unit Prices until the May 24th, 2021 board meeting.

Upon recommendation of staff, and upon motion of Commissioner Waddell, seconded by Commissioner Paschall and carried, the Board approved Resolution 2197-21 Amending the District's Healthcare Plan.

Upon recommendation of staff, and upon motion of Commissioner Paschall, seconded by Commissioner Waddell and carried, the Board approved Resolution 2198-21 Providing for College Level Course Tuition Reimbursement and Rescinding Resolution 2060-16.

Upon recommendation of staff, and upon motion of Commissioner Paschall, seconded by Commissioner Waddell and carried, the Board adopted Resolution 2198-21 Establishing a Professional Licenses and Membership Policy.

CORRESPONDENCE/COMMUNICATIONS 2:21

There were no correspondence/communication items.

COMMISSIONER REPORTS 2:21

Commissioner Paschall attended a number of Washington Public Utility District Association (WPUDA) meetings, including New Commissioner orientations, and the District’s annual Entrance Conference with the WA State Auditor (SOA).

Commissioner Waddell attended WPUDA, Northwest Power and Conservation Council (NPCC), and Washington Public Agency Group (WPAG) meetings. Topics included organizational briefings, legislative updates, the possibility of having BPA provide 2028 contract briefings; and a support system allowing easier selection of energy providers of choice in 2028 contracts.

Commissioner Purser attended several Energy Northwest meetings . Topics included lithium battery storage sources, EN’s recently-awarded grant to install electric vehicle charging stations along Highway 12, and the Columbia Generating Station’s upcoming refueling and maintenance.

STAFF REPORTS 2:39

General Manager Doug Nass addressed the previous board meeting’s action items for staff, including:

- A June 8th planned presentation of the District’s vegetation management efforts as they pertain to wildfire mitigation (specifically in regards to protective equipment maintenance and testing and adherence to national standards);
- Plans for an upcoming public solar workshop; and
- Determining the level of Commissioner interest in BPA 2028 contract negotiations.

BOARD’S ACTION ITEMS FOR STAFF 2:41

- A. Staff is to resubmit for consideration Resolution 2196-21 Establishing the Current Schedule of Deposits and Charges and Electric Line Extension Unit Prices at the May 24th, 2021 board meeting.

COMMENTS FROM THE PUBLIC 2:42

There was no public comment.

ADJOURN

There being no further business to come before the Commission, the meeting adjourned at 4:10 PM.

ATTEST:

President

Vice President

Secretary

A detailed transcript of this meeting via audio recording is available to the public on the Commission Meetings page of the PUD website here: <https://clallampud.net/commission-meetings/>.

May 10, 2021

SUMMARY VOUCHER APPROVAL
PUBLIC UTILITY DISTRICT #1 OF CLALLAM COUNTY
OPERATING FUND

We certify, under penalty of perjury, that the materials have been furnished, the services rendered, or the labor performed as described herein, and that the attached list of claims are a just, due and unpaid obligation against Public Utility District No. 1 of Clallam County, and that we are authorized to authenticate and certify said claims.

SIGNED *Yvonne Carter* DATE 5/17/21
AUDITING OFFICER

D. Swales DATE 5.17.21
GENERAL MANAGER

Vouchers audited and certified by the Auditing Officer and the General Manager have been recorded on the attached list(s) which has been made available to the Board of Commissioners of Public Utility District No. 1 of Clallam County. We, the undersigned Board of Commissioners of Public Utility District No. 1 of Clallam County, approve for payment those vouchers included on the attached list(s):

Summary for Voucher Lists Dated 5/10/2021–5/17/2021

Checks	\$	800,432.26
Wire Transfers		96,066.90
E-Payment		36,337.76
Prepays		191,448.83
Total	\$	1,124,285.75

COMMISSIONER

COMMISSIONER

COMMISSIONER

RESOLUTION NO. 2196-21

A RESOLUTION Establishing the Current Schedule of Deposits and Charges, Electric Line Extension Unit Prices and Rescinding Resolution 2176-20

WHEREAS, staff has reviewed the District's cost to provide various services and perform work for customers; and

WHEREAS, the District's financial plan is based upon collecting actual cost for services and work provided; and

WHEREAS, the District can protect its customers through the use of deposits; now, therefore, be it

RESOLVED, that the attached documents entitled "Schedule of Deposits and Charges", and "Electric Line Extension Unit Prices" be adopted effective June 1, 2021 and

2. That Resolution 2176-20 establishing the prior Schedule of Deposits and Charges and Line Extension Unit Prices is hereby rescinded effective June 1, 2021.

PASSED, by the Board of Commissioners of Public Utility District No. 1 of Clallam County, Washington this 24th day of May, 2021.

President

ATTEST:

Vice President

Secretary

**PUBLIC UTILITY DISTRICT NO. 1
OF CLALLAM COUNTY**

SCHEDULE OF DEPOSITS AND CHARGES

Effective June 1, 2021

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**PUBLIC UTILITY DISTRICT NO. 1
OF CLALLAM COUNTY**

SCHEDULE OF DEPOSITS AND CHARGES EFFECTIVE June 1, 2021

DEPOSITS

Electric

- Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.
- Non-Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.

Water

- Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.
- Non-Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.

Satisfactory credit record with the District, credit assessment, or enrollment in SmartPay may allow the District to waive the deposit requirement.

Additional deposits may be required for participation in certain programs, such as opt-out self-read.

CHARGES

Connect / Reconnect / Disconnect / Transfer

– applicable to standard new or existing services.

Electric

- | | |
|--|-------|
| 1) Meter, including multiple meters for same account | \$ 50 |
| 2) Separate account at same address | \$ 30 |
| 3) Using last reading, one or more meters for same account | \$ 25 |
| 4) Disconnect or reconnect remote meter | \$ 25 |
| 5) Disconnect or reconnect at transformer | \$ 70 |
| 6) Disconnect or reconnect CT meter - each | \$ 70 |

Water

- | | |
|--|-------|
| 1) Independent of electric | \$ 50 |
| 2) Simultaneous with electric | \$ 30 |
| 3) Using last reading, independent of electric | \$ 25 |

Sewer

- | | |
|--|------|
| 1) Independent of electric and/or water | \$15 |
| 2) Simultaneous with electric and/or water | \$10 |

After Hours and/or Nonpayment

After Hours and/or Nonpayment standard meter

(in addition to other applicable charges)

- | | |
|--------------------------------|--------|
| 1) Electric only or water only | \$ 100 |
|--------------------------------|--------|

- 2) Electric and Water \$ 160
- 3) Additional charge to above: (actual cost)
Requests received between 3:00 p.m. and 4:00 p.m.
on regular business days (**per 1/2 hour of overtime incurred**) \$ 60
- 4) Requests received between 4:00 p.m. and 7:30 a.m.
of the next business day \$ 525

After Hours and/or Nonpayment - CT/320A/3 PHASE/at transformer
(in addition to other applicable charges)

- 1) Electric only \$ 140
- 2) Electric and Water \$ 200
- 3) Additional charge to above: (actual cost)
Requests received between 3:00 p.m. and 4:00 p.m.
on regular business days (**per 1/2 hour of overtime incurred**) \$ 90
- 4) Requests received between 4:00 p.m. and 7:30 a.m.
of the next business day \$ 525

After Hours and/or Nonpayment W/ remote reconnect

(in addition to other applicable charges)

- 1) Reconnect electric only during business hours (7:30 am – 4:00 pm) \$ 50
- 2) Requests received between 4:00 p.m. and 7:30 a.m.
of the next business day (**Remote reconnect only**) \$ 160

After Hours Dispatch of CSR

Without reconnect \$ 160

Late Fee

- 1) To cover expenses related to processing past due accounts \$ 5

Misc. Service Charges

-Alphabetical Order

Access Appointment to Read Meter

Electric or water \$ 55

Access Appointment (e.g.: Maintenance & Repair)

- 1) Electric \$ 115
- 2) Water \$ 85

Continuous Service Contract

- 1) New contract – Initial setup & units \$ 55
- 2) Transfer reading \$ 25
- 3) Restoration of services
 - a) Electric \$ 50
 - b) Water – simultaneous of electric \$ 30
 - c) Water – independent with electric \$ 50

Refer to above sections for any variances regarding CT/320A/Remote Disconnect or After Hours/DNP for Continuous Service Contracts

Energy Resources Surcharge

Applicable to mobile homes not meeting minimum energy efficiency standards.

- 1) Regular charge \$2000
- 2) Owner-occupied, low-income charge \$500

Field Collection

and/or extension \$70

Lock Box
installed (one size only) \$440

Meter Tampering

- 1) Cut or missing seal (electric or water) \$ 185
- 2) Unauthorized connect or reconnect of meter (electric or water) \$ 245
- 3) Power diversion investigation, minimum– actual cost & requires a W.O. \$ 415
- 4) Water diversion investigation, minimum – actual cost & requires a W.O. \$ 365

Meter Testing

This is a deposit. It will be refunded if meter tests bad.

- 1) Electric meter \$ 100
- 2) Water meter \$ 125

Returned Payment

Fee \$ 30

Reread Meter

(customer request due to high consumption) \$ 50
No Charge if reading is incorrect

Remote Read Meter Opt Out Charges

"PUD-Read" Remote Read Opt Out Fee

Monthly fee, bi-monthly read \$21

Analog Meter Fee

(per month in addition to applicable opt out fee) \$7

Other Misc. Service Charges

-Alphabetical Order

Assessment Segregation (Water)

– minimum deposit \$455

Customer Service Conversion

- 1) Convert overhead service to underground service \$175
- 2) Change meter base to larger meter base size \$200
- 3) Upgrade overhead service wire to larger size \$440

Easements and Other Recorded Documents

- 1) Easements \$ 340
- 2) Replacement Easements / Quit Claim Deeds \$ 340
- 3) WSDOT Franchise Amendment \$2105

Engineering Charge

for Developer Proposals Actual Cost over \$1000

Fire Hydrant Fund

Exception: when a hydrant is required in a specific location by other regulatory authority, the customer will pay the actual cost of installation. \$ 5.45/ft
(6" and larger mains)

Increased Loads

Add service conversion charge when a transformer upgrade is required to maintain adequate capacity for a service upgrade.
Add connect charge for new services.

1) Single overhead transformer	\$880
2) Two overhead transformers	\$1050
3) Three overhead transformers	\$1250
4) Single padmount transformer	\$555
5) Two padmount transformers	\$870
6) Three-phase padmount transformer	\$945

Transformer Installation

This does not include the New Service Connect Charge

1) Install single phase overhead transformer	\$ 980
2) Install three phase overhead transformer	\$1410
3) Install single phase pad-mount transformer	\$ 665
4) Install three phase pad-mount transformer	\$ 635

Trip Charge

(Customer not prepared for scheduled work or main disconnect not off)

1) Electrical Serviceman	\$115
2) Line Crew	\$295
3) Water Serviceman	\$85
4) Meter Reader	\$50

Vegetation

Removal and/or fee	\$80
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Yard Lights

1) Install light only, along with new service	\$90
2) Install light only, established account	\$355

New Service Connect Charges

– includes connect charge and engineering charge.

Electric – Overhead

Self-contained meter only

1) Single Phase – Connect to existing Overhead Transformer (Inc. OH Triplex svc to cust bldg)	\$530
2) Three phase – Connect to existing overhead transformers (Inc. OH Quad svc to cust bldg)	\$925

Electric – Padmount

Self-contained meter only

3) Single phase – Connect to existing padmount transformer	\$395
4) Three phase – Connect to existing padmount transformer	\$450

Electric – Others

5) Additional meter(s) at a multiple installation involving a single service run	
a) Each additional meter installed with original connection in a multi-pack	\$40
b) Additional charge for each meter installed at a <u>later time</u> than original connection in a multi-pack	\$70
6) CT Meter Connection (in addition to one of the above)	
a) Up to and including 800 AMP	\$240
b) Greater than 800 AMP	\$335

- 7) Net Meter Installation
 - a) Application fee: 0 W – 25 kW \$100
 - b) Application fee: 26 kW – 500 kW \$500
 - c) Application fee: 501 kW – 20 MW \$1000
 - d) Standard Meter / AMR Meter \$145
 - e) CT Meter / AMR-CT Meter \$260
 - f) Interconnection Expansion \$145
- 8) Radio-Read Meter Installation
 - a) CT Meter \$305
 - b) 3-Phase - new Time & Materials only T & M
- 9) Temporary Service – in addition to above \$105
Transformer Installation and New Service Connect charges
- 10) Temporary Service – Community Sponsored Festival Only, includes KWH consumption \$180
- 11) Unmetered installations – single-phase, overhead installation \$360
 - a) Connection to existing transformer

Water

- 1) Drop-in Meter 3/4" meter installed in an existing meter box
Install new meter \$180
- 2) Pressure Reducing Valve
 - a) Upgrade service to include 3/4" Pressure reducing valve \$1030
 - b) Upgrade service to include 1" Pressure reducing valve \$1050
 - c) Drop-in pressure reducing valve into existing tandem setter – 3/4" only \$155
- 3) All Water Systems

Meter Size	Meter Installation	Capital Facilities Charges	Total	Pressure Regulator Valve (if required)
5/8" x 3/4"	\$3,105**	\$5,515	\$8,620	Included*
1"	\$3,400**	\$13,795	\$17,195	Included*
1-1/2"	At Cost	\$27,595	At Cost + C.F.	At cost
2"	At Cost	\$44,150	At Cost + C.F.	At cost
3"	At Cost	\$88,300	At Cost + C.F.	At cost
4"	At Cost	\$137,980	At Cost + C.F.	At cost
6"	At Cost	\$275,960	At Cost + C.F.	At cost
8"	At Cost	\$441,540	At Cost + C.F.	At cost
10"	At Cost	\$634,715	At Cost + C.F.	At cost

*Included with meter installation if, in the opinion of the District, one is needed.

**Includes road crossing if req'd (35-foot max paved roadway, non-WSDOT)

Note: Please contact the Water Department to determine applicable charges.

Fire Hydrant Use – Temporary Service

- 1) Hydrant Use Permit \$565
(Includes connection to hydrant, 90 days use and up to 3000 cu ft. water. Additional water use billed at commercial rate. District may assess an additional permit fee for usage beyond 90 days)
- 2) Meter usage/damage deposit \$995
- 3) RPBA usage/damage deposit \$500

Sewer

- 1) Check Valve Assembly \$ 360
- 2) Inspect Customer Connection \$ 340

P.U.D. NO. 1 OF CLALLAM COUNTY
ELECTRIC LINE EXTENSION UNIT PRICES
Effective June 1, 2021

UNDERGROUND	OVERHEAD
<u>PRIMARY CABLE</u>	
Single-Phase	7.10
V-Phase	12.60
Three-Phase	18.10
<u>PADMOUNTS FOR TRANSFORMERS</u>	
Single-Phase (SLAB & SCOOP)	1,375.00
Three-Phase 75 - 300 (w/ VAULT)	5,125.00
Three-Phase 500 - 2500 (w/ VAULT)	6,785.00
<u>JUNCTION BOX</u>	
Single-Phase (4-WAY)	2,115.00
Single-Phase (5-WAY)	2,700.00
V-Phase	2,135.00
Three-Phase	4,510.00
<u>SWITCH & FUSE CABINET</u>	
Fuse Pad (SLAB & SCOOP)	2,895.00
Single-Phase Fuse (Cabinet & Vault)	12,985.00
Three-Phase Fuse (Cabinet & Vault)	36,910.00
Three-Phase Switch (Cabinet & Vault)	61,360.00
<u>ELBOW</u>	
Elbow	230.00
Rotatable Feed-Thru	360.00
Elbow with 4-Way C/O	505.00
Elbow with 5-Way C/O	1,435.00
<u>SPLICE</u>	370.00
<u>RISER</u>	
Single-Phase	1,100.00
V-Phase	1,920.00
Three-Phase	2,785.00
<u>SECONDARY CABLE</u>	
<u>IN CONDUIT (SWEEPS NOT INC.)</u>	
4/0 - 4/0 - 2/0	5.80
350 MCM	7.60
<u>SECONDARY PED & VAULT</u>	
Pedestal (for 1-Phase Trans.)	285.00
3-Ph Sec. Cab. 14-Connection w/ Vault	9,925.00
3-Ph Sec. Cab. 30-Connection w/ Vault	11,570.00
<u>PRIMARY POLE</u>	
Single-Phase	2,990.00
V-Phase	3,290.00
Three-Phase	3,585.00
<u>PRIMARY POLE INSERT</u>	
Single-Phase	2,835.00
V-Phase	3,065.00
Three-Phase	3,290.00
<u>ADD A PHASE TO ONE SPAN</u>	
Single-Phase to V-Phase	995.00
Single-Phase to 3-Phase	1,295.00
<u>OVERHEAD TAP</u>	
Single-Phase	880.00
V-Phase	1,525.00
Three-Phase	2,300.00
<u>SEC / SVC POLE</u>	1,515.00
<u>SEC / SVC POLE WITH GUY & ANCHOR</u>	1,975.00
<u>GUY & ANCHOR</u>	485.00
<u>GUY POLE & SPAN GUY</u>	2,245.00
THE FOLLOWING ARE USED FOR SHARING PURPOSES ONLY: (WHICHEVER IS GREATER)	
TRENCH CR. PER FT. OR A MINIMUM OF	3.72 600.00

MISC. UNDERGROUND PRICES					
CONDUIT			SWEEPS		
2" PVC	3.80	2" Galv.	8.50	2" PVC 90°	20.40
3" PVC	5.45	3" Galv.	14.55	3" PVC 90°	31.40
4" PVC	3.90	4" Galv.	9.80	4" PVC 90°	55.50
2" PVC Sch. 80	3.35	2" P&C Flex	4.45	2" Galv. 90°	44.05
3" PVC Sch. 80	3.85	3" P&C Flex	6.00	3" Galv. 90°	169.70
4" PVC Sch. 80	4.75	4" P&C Flex	7.30	4" Galv. 90°	408.60

Underground			
Item	2020 cost	2021 cost	Notes
Primary cable			
Single Phase	7.00	7.10	
V-Phase	12.50	12.60	
3-Phase	17.95	18.10	
Padmounts for Transformers			
Single Phase (Slab & Scoop)	1,250	1,375	
3-Phase 75-300 KVA vault	4,620	5,125	
3-Phase 500-2500 KVA vault	6,630	6,785	
Junction Box			
Single Phase (4-way feed thru)	1,915	2,115	
Single Phase (5-way feed thru)	2,660	2,700	
V-Phase	2,085	2,135	
3-Phase	4,400	4,510	
Switch & Fuse Cabinet			
Fuse Pad with Slab & Scoop	2,860	2,895	
Single Phase Fuse (Cabinet with Vault)	12,800	12,985	
3-Phase Fuse (Cabinet with Vault)	32,320	36,910	Spike in 2020 fuse cabinet price
3-Phase Switch (Cabinet with Vault)	47,610	61,360	Spike in 2021 of 3 way switch cabinet
Elbow			
Elbow	215	230	
Rotatable Feed Thru	345	360	
Elbow with 4-way C/O	505	505	
Elbow with 5-way C/O	1,420	1,435	
Splice			
	355	370	
Riser			
Single Phase	1025	1,100	
V-Phase	1,785	1,920	
3-Phase	2,585	2,785	
Secondary Cable in conduit			
4/0 4/0 2/0	5.75	5.80	
350 MCM	7.55	7.60	
Secondary Pedestal			
1 Phase Secondary Pedestal	275	285	
3-Phase Cabinet (14 connection w/vault)	9,840	9,925	
Cabinet (30 connection w/vault)	11,480	11,570	
Conduit			
2" (Schedule 40 PVC)	2.55	3.80	
3" (Schedule 40 PVC)	3.25	5.45	
4" (Schedule 40 PVC)	3.80	3.90	
2" (Schedule 80 PVC)	3.25	3.35	
3" (Schedule 80 PVC)	3.75	3.85	
4" (Schedule 80 PVC)	4.65	4.75	
2" Galvanized	8.40	8.50	
3" Galvanized	14.45	14.55	
4" Galvanized	9.70	9.80	
2" Flex	4.35	4.45	
3" Flex	5.90	6.00	
4" Flex	7.20	7.30	
Sweeps			
2" PVC 90°	18.95	20.40	
3" PVC 90°	27.15	31.40	
4" PVC 90°	54.85	55.50	
2" Galvanized 90°	43.40	44.05	
3" Galvanized 90°	169.05	169.70	
4" Galvanized 90°	407.95	408.60	Spike in July 2019 prices

(Red indicates increase) (Blue indicates decrease)

Overhead			
Item	2020 cost	2021 cost	Notes
Primary Pole			
Single Phase	2,900	2,990	
V-Phase	3,185	3,290	
3-Phase	3,460	3,585	
Primary Pole Insert			
Single Phase	2,745	2,835	
V-Phase	2,965	3,065	
3-Phase	3,175	3,290	
Add a Phase to one span			
Single Phase to V-Phase	850	995	
Single to 3-Phase	1,240	1,295	
Overhead Tap			
Single Phase	850	880	
V-Phase	1,470	1,525	
3-Phase	2,210	2,300	
Secondary Pole	1,490	1,515	
Secondary Pole with Guy & Anchor	1,915	1,975	
Guy & Anchor	455	485	
Guy Pole & Span Guy	2,170	2,245	

(Red indicates increase) (Blue indicates decrease)

PUBLIC UTILITY DISTRICT NO. 1 OF CLALLAM COUNTY

SCHEDULE OF DEPOSITS AND CHARGES

Effective ~~August 1, 2020~~ June 1, 2021

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**PUBLIC UTILITY DISTRICT NO. 1
OF CLALLAM COUNTY**

SCHEDULE OF DEPOSITS AND CHARGES EFFECTIVE August 1, 2020

DEPOSITS

Electric

- Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.
- Non-Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.

Water

- Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.
- Non-Residential: Two-twelfths of estimated annual billings with a minimum deposit of \$150, or as determined by the District.

Satisfactory credit record with the District, credit assessment, or enrollment in SmartPay may allow the District to waive the deposit requirement.

Additional deposits may be required for participation in certain programs, such as opt-out self-read.

CHARGES

Connect / Reconnect / Disconnect / Transfer

– applicable to standard new or existing services.

Electric

- | | |
|--|--------------------|
| 1) Meter, including multiple meters for same account | \$ 4550 |
| 2) Separate account at same location address | \$ 30 |
| 3) Using last reading, one or more meters for same account | \$ 25 |
| 4) Disconnect or reconnect remote meter | \$ 25 |
| 5) Disconnect or reconnect at transformer | \$ 6570 |
| 6) Disconnect or reconnect CT meter - each | \$ 6570 |

Water

- | | |
|--|--------------------|
| 1) Independent of electric | \$ 4550 |
| 2) Simultaneous with electric | \$ 30 |
| 3) Using last reading, independent of electric | \$ 25 |

Sewer

- | | |
|--|------|
| 1) Independent of electric and/or water | \$15 |
| 2) Simultaneous with electric and/or water | \$10 |

After Hours and/or Nonpayment

After Hours and/or Nonpayment standard meter

(in addition to other applicable charges)

- | | |
|--------------------------------|---------------------|
| 1) Electric only or water only | \$ 90100 |
|--------------------------------|---------------------|

- 2) Electric and Water \$ ~~150~~160
- 3) Additional charge to above: (actual cost)
Requests received between 3:00 p.m. and 4:00 p.m.
on regular business days (**per ½ hour of overtime incurred**) \$ ~~55~~60
- 4) Requests received between 4:00 p.m. and 7:30 a.m.
of the next business day \$ ~~500~~525

After Hours and/or Nonpayment - CT/320A/3 PHASE/at transformer
(in addition to other applicable charges)

- 1) Electric only \$ ~~130~~140
- 2) Electric and Water \$ ~~190~~200
- 3) Additional charge to above: (actual cost)
Requests received between 3:00 p.m. and 4:00 p.m.
on regular business days (**per ½ hour of overtime incurred**) \$ ~~85~~90
- 4) Requests received between 4:00 p.m. and 7:30 a.m.
of the next business day \$ ~~500~~525

After Hours and/or Nonpayment W/ remote reconnect

(in addition to other applicable charges)

- 1) Reconnect electric only during business hours (7:30 am – 4:00 pm) \$ 50
- 2) Requests received between 4:00 p.m. and 7:30 a.m.
of the next business day (**Remote reconnect only**) \$ ~~155~~160

After Hours Dispatch of CSR ~~without reconnect~~

Without reconnect

\$ ~~155~~160

Late Fee

- 1) To cover expenses related to processing past due accounts \$5

Misc. Service Charges

-Alphabetical Order

Access Appointment to Read Meter

Electric or water

\$ ~~50~~55

Access Appointment (e.g.: Maintenance & Repair)

- 1) Electric \$ ~~110~~115
- 2) Water \$ ~~80~~85

Continuous Service Contract

- 1) New contract – Initial setup & units \$ ~~50~~55
- 2) Transfer reading \$25
- 3) Restoration of services
 - a) Electric \$ ~~45~~50
 - b) Water – simultaneous of electric \$ 30
 - c) Water – independent with electric \$ ~~45~~50

Refer to above sections for any variances regarding CT/320A/Remote Disconnect or After Hours/DNP for Continuous Service Contracts

Energy Resources Surcharge

Applicable to mobile homes not meeting minimum energy efficiency standards.

- 1) Regular charge \$2000
- 2) Owner-occupied, low-income charge \$500

Field Collection/~~Extension~~

and/or extension

\$ ~~65~~70

Lock Box

installed (one size only)

\$~~430~~440**Meter Tampering**

- 1) Cut or missing seal (electric or water) \$ ~~175~~185
- 2) Unauthorized connect or reconnect of meter (electric or water) \$ ~~230~~245
- 3) Power diversion investigation, minimum— actual cost & requires a W.O. \$ ~~400~~415
- 4) Water diversion investigation, minimum – actual cost & requires a W.O. \$ ~~355~~365

Meter Testing

This is a deposit. It will be refunded if meter tests bad.

- 1) Electric meter \$ ~~95~~100
- 2) Water meter \$ 125

Returned Payment-FeeFee \$ 30**Reread Meter**

(customer request due to high consumption)

No Charge if reading is incorrect \$ 50

Remote Read Meter Opt Out Charges

"Self-Read" Remote-Read Opt-Out Fees	
"Self-Read" Opt-Out (per month)	\$17
One-Time Configuration & Development Fee	\$35.50
Failure to Read & Report Fee	\$73.50

"PUD-Read" Remote Read Opt Out Fee~~(per month) Monthly fee, bi-monthly read~~ \$~~19.50~~21**Analog Meter Fee**(per month in addition to applicable opt out fee) \$~~6.35~~7**Other Misc. Service Charges**

-Alphabetical Order

**Assessment Segregation (Water)—minimum deposit—
— minimum deposit**\$~~350~~455**Customer Service Conversion**

- 1) Convert overhead service to underground service \$~~165~~175
- 2) Change meter base to larger meter base size \$~~190~~200
- 3) Upgrade overhead service wire to larger size \$~~415~~440

Easements and Other Recorded Documents

- 1) Easements ~~/ Bill of Sale~~ \$ ~~225~~340
- 2) Replacement Easements / Quit Claim Deeds \$ ~~230~~340
- 3) WSDOT Franchise Amendment \$ ~~2090~~2105

Engineering Charge ~~for Developer Proposals~~for Developer Proposals

Actual Cost over \$1000

Fire Hydrant Fund\$ ~~5.145~~.45/ft

Exception: when a hydrant is required in a specific location by other regulatory authority, the customer will pay the actual cost of installation.

(6" and larger mains)

Increased Loads

Add service conversion charge when a transformer upgrade is required to maintain adequate capacity for a service upgrade.
Add connect charge for new services.

- | | |
|-------------------------------------|--------------------------------|
| 1) Single overhead transformer | \$ 835 <u>880</u> |
| 2) Two overhead transformers | \$ 1000 <u>1050</u> |
| 3) Three overhead transformers | \$ 1190 <u>1250</u> |
| 4) Single padmount transformer | \$ 530 <u>555</u> |
| 5) Two padmount transformers | \$ 830 <u>870</u> |
| 6) Three-phase padmount transformer | \$ 900 <u>945</u> |

Transformer Installation

This does not include the New Service Connect Charge

- | | |
|---|--------------------------------|
| 1) Install single phase overhead transformer | \$ 940 <u>980</u> |
| 2) Install three phase overhead transformer | \$ 1560 <u>1410</u> |
| 3) Install single phase pad-mount transformer | \$ 635 <u>665</u> |
| 4) Install three phase pad-mount transformer | \$ 605 <u>635</u> |

Trip Charge

(Customer not prepared for scheduled work or main disconnect not off)

- | | |
|--------------------------|------------------------------|
| 1) Electrical Serviceman | \$ 110 <u>115</u> |
| 2) Line Crew | \$ 285 <u>295</u> |
| 3) Water Serviceman | \$ 80 <u>85</u> |
| 4) Meter Reader | \$50 |

Vegetation ~~Removal and/or Fee~~

Removal and/or fee

\$~~75~~80

Yard Lights

- | | |
|---|------------------------------|
| 1) Install light only, along with new service | \$ 85 <u>90</u> |
| 2) Install light only, established account | \$ 340 <u>355</u> |

New Service Connect Charges

– includes connect charge and engineering charge.

Electric – Overhead

Self-contained meter only

- | | |
|---|------------------------------|
| 1) Single Phase – Connect to existing Overhead Transformer (Inc. OH Triplex svc to cust bldg) | \$ 510 <u>530</u> |
| 2) Three phase – Connect to existing overhead transformers (Inc. OH Quad svc to cust bldg) | \$ 895 <u>925</u> |

Electric – Padmount

Self-contained meter only

- | | |
|--|------------------------------|
| 3) Single phase – Connect to existing padmount transformer | \$ 385 <u>395</u> |
| 4) Three phase – Connect to existing padmount transformer | \$ 435 <u>450</u> |

Electric – Others

- | | |
|---|------------------------------|
| 5) Additional meter(s) at a multiple installation involving a single service run | |
| a) Each additional meter installed with original connection in a multi-pack | \$40 |
| b) Additional charge for each meter installed at a <u>later time</u> than original connection in a multi-pack | \$70 |
| 6) CT Meter Connection (in addition to one of the above) | |
| a) Up to and including 800 AMP | \$ 235 <u>240</u> |
| b) Greater than 800 AMP | \$ 330 <u>335</u> |

- 7) Net Meter Installation
 - a) Application fee: 0 W – 25 kW \$100
 - b) Application fee: 26 kW – 500 kW \$500
 - c) Application fee: 501 kW – 20 MW \$1000
 - d) Standard Meter / AMR Meter \$120145
 - e) CT Meter / AMR-CT Meter \$215260
 - f) Interconnection Expansion \$145
- 8) Radio-Read Meter Installation
 - a) CT Meter \$300305
 - b) 3-Phase - new Time & Materials only T & M
- 9) Temporary Service – in addition to above Transformer Installation and New Service Connect charges \$105
- 10) Temporary Service – Community Sponsored Festival Only, includes KWH consumption \$180
- 11) Unmetered installations – single-phase, overhead installation \$350360
 - a) Connection to existing transformer

Water

- 1) Drop in Meter 3/4" meter installed in an existing meter box
Install new meter \$ 180
- 2) Pressure Reducing Valve
 - a) Upgrade service to include 3/4" Pressure reducing valve \$ 9801030
 - b) Upgrade service to include 1" Pressure reducing valve \$ 9851050
 - c) Drop-in pressure reducing valve into existing tandem setter – 3/4" only \$ 145155

3) All Water Systems

Meter Size	Meter Installation	Capital Facilities Charges	Total	Pressure Regulator Valve (if required)
5/8 x 3/4"	\$ <u>2,885 3,105**</u>	\$ <u>5,235 5515</u>	\$ <u>8,120 8,620</u>	Included*
1"	\$ <u>3,180 3,400**</u>	\$ <u>13,095 13,795</u>	\$ <u>16,275 17,195</u>	Included*
1-1/2"	At Cost	\$ <u>26,195 27,595</u>	At Cost + C.F.	At cost
2"	At Cost	\$ <u>41,910 44,150</u>	At Cost + C.F.	At cost
3"	At Cost	\$ <u>83,820 88300</u>	At Cost + C.F.	At cost
4"	At Cost	\$ <u>130,975 137,980</u>	At Cost + C.F.	At cost
6"	At Cost	\$ <u>261,950 275,960</u>	At Cost + C.F.	At cost
8"	At Cost	\$ <u>419,120 441,540</u>	At Cost + C.F.	At cost
10"	At Cost	\$ <u>602,485 634,715</u>	At Cost + C.F.	At cost

*Included with meter installation if, in the opinion of the District, one is needed.

****Includes road crossing if req'd (35-foot max paved roadway, non-WSDOT)**

Note: Please contact the Water Department to determine applicable charges.

Fire Hydrant Use – Temporary Service

- 1) Connection to hydrant – (same fee for all sizes) Hydrant Use Permit \$ 80565
(Includes connection to hydrant, 90 days use and up to 3000 cu ft. water. Additional water use billed at commercial rate. District may assess an additional permit fee for usage beyond 90 days)
- 2) Meter usage/damage deposit – 3/4" \$525
- 3) Meter usage/damage deposit – 2" or 3" \$800995
- 4) RPBA usage/damage deposit – 2" \$420500

Sewer

- 1) Check Valve Assembly \$ 320360
- 2) Inspect Customer Connection \$ 330340



MEMORANDUM

Date: May 24, 2021
 From: Tom Martin, Water Wastewater Systems Manager *TM*
 To: Doug Nass, General Manager
 Re: ACCEPTANCE MEMO OF COMPLETION
 QUOTATION DUE DATE JANUARY 6, 2021
 CLALLAM BAY 8TH STREET WATER MAIN REPLACEMENT
 CONTRACT NUMBER 201009

Work under the above-referenced contract with **ROGNLINS INC.**, has been completed. It is recommended this contract be accepted as complete.

The project consisted of replacing a water main on 8th Street, Clallam Bay, to replace a portion of aging water main in Clallam Bay with frequent breaks.

The Contractor started the project on January 19, 2021, and completed work on March 4, 2021. The total contract cost is as follows:

Item	Total
Original Contract Not To Exceed Cost	\$135,000.00
Change Order #1	\$13,500.00
Change Order #2	\$9,650.00
Change Order #3	\$6,890.00
WSST (8.5%)	\$14,028.40
Contract Total	\$179,068.40
TOTAL PROJECT COST	\$168,001.40

TM/jk

Accepted by Board of Commissioners at meeting of: _____, 20____

 Doug Nass, General Manager



Planning for Electric Vehicles

May/24/2021



WA E2SHB 1287 Clean Cars 2030



- Establish a goal that passenger and light duty vehicles model year 2030 and later be Electric Vehicles (EVs)
- Applied to both vehicle sales and registration within Washington State
- Legislation “unexpectedly” vetoed by Governor due to the conditional road usage charge – poisoned pill
- Intent and future direction is clear
- EVs will be a substantially expanded topic in the District’s 2021 Planning Study Update



Primary Technical Sources



- E3 “Economic & Grid Impacts of Plug-In Electric Vehicle Adoption in Washington & Oregon”, 2017
- EPRI “Electric Vehicle Driving, Charging, and Load Shape Analysis”, 2018
- Avista Corporation “Electric Vehicle Supply Equipment Pilot Final Report”, 2019



PUD Assumptions



Bringing Energy To Life™

- 30,000 households with vehicle(s)
- Local demographics and driving characteristics
- Eventual 18,500 Personal Electric Vehicles (PEV) miles driven per household consisting of all PEVs
 - Includes seasonal tourist adder to represent area visitors, seasonal residents and elevated seasonal driving more than what is typical in most areas
- 33 kWh average per 100 miles driven
 - Includes SUVs and light trucks and some high HP cars
- Seasonal variations based on existing traffic



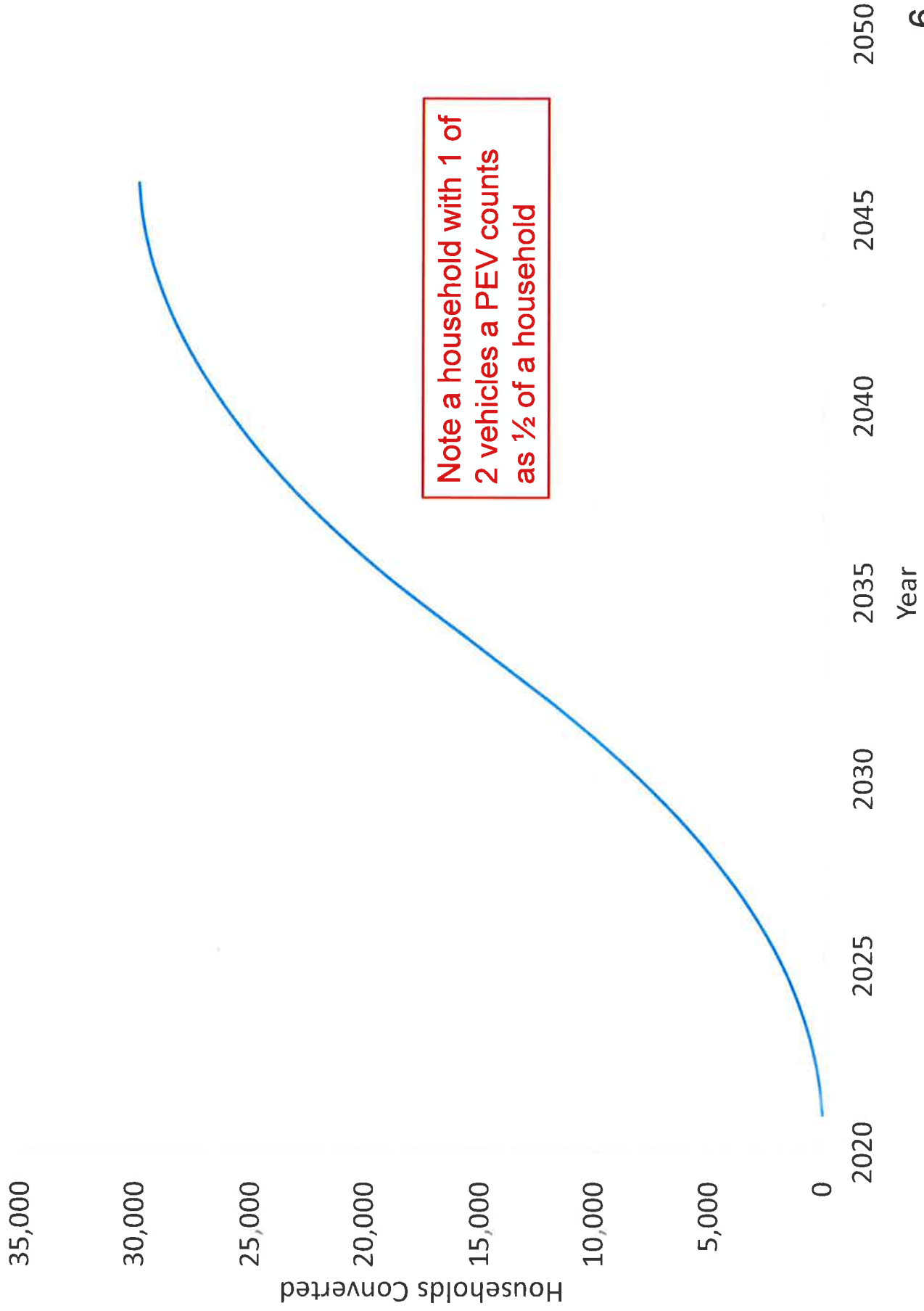
PUD Assumptions



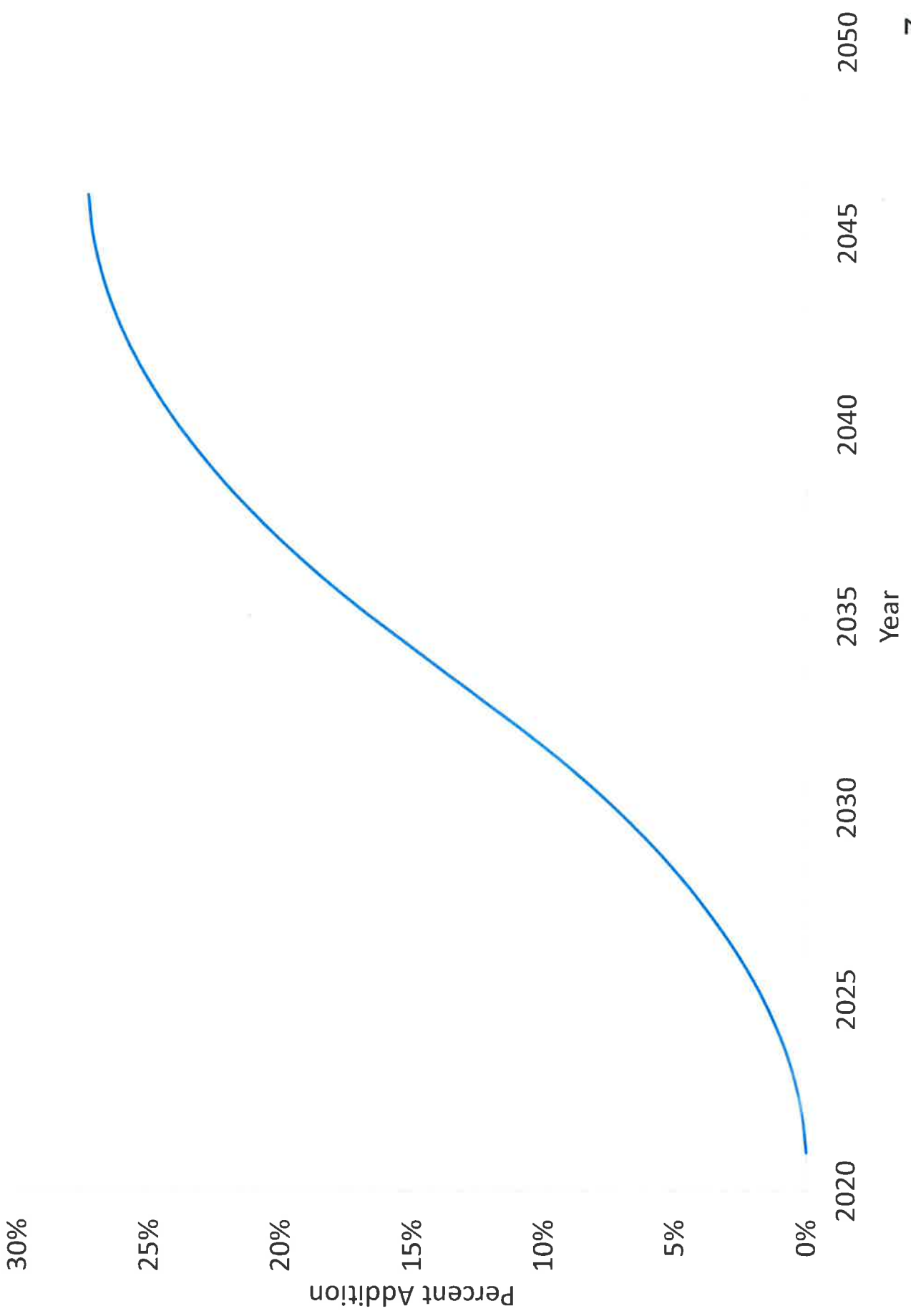
- No future expansive mass transpiration network typically available to urban areas
- General conformance to the E3 study assumptions, but tailored to local characteristics and conditions
- No significant TOU or other behavioral load shaping
- Vehicle electrification extended over a 25 year interval
 - Recognizes limitations in manufacturing and raw materials
 - Consistent with industry projections for fastest feasible transition to EVs
 - Considerably slower than what is implied by recent proposed WA State legislation



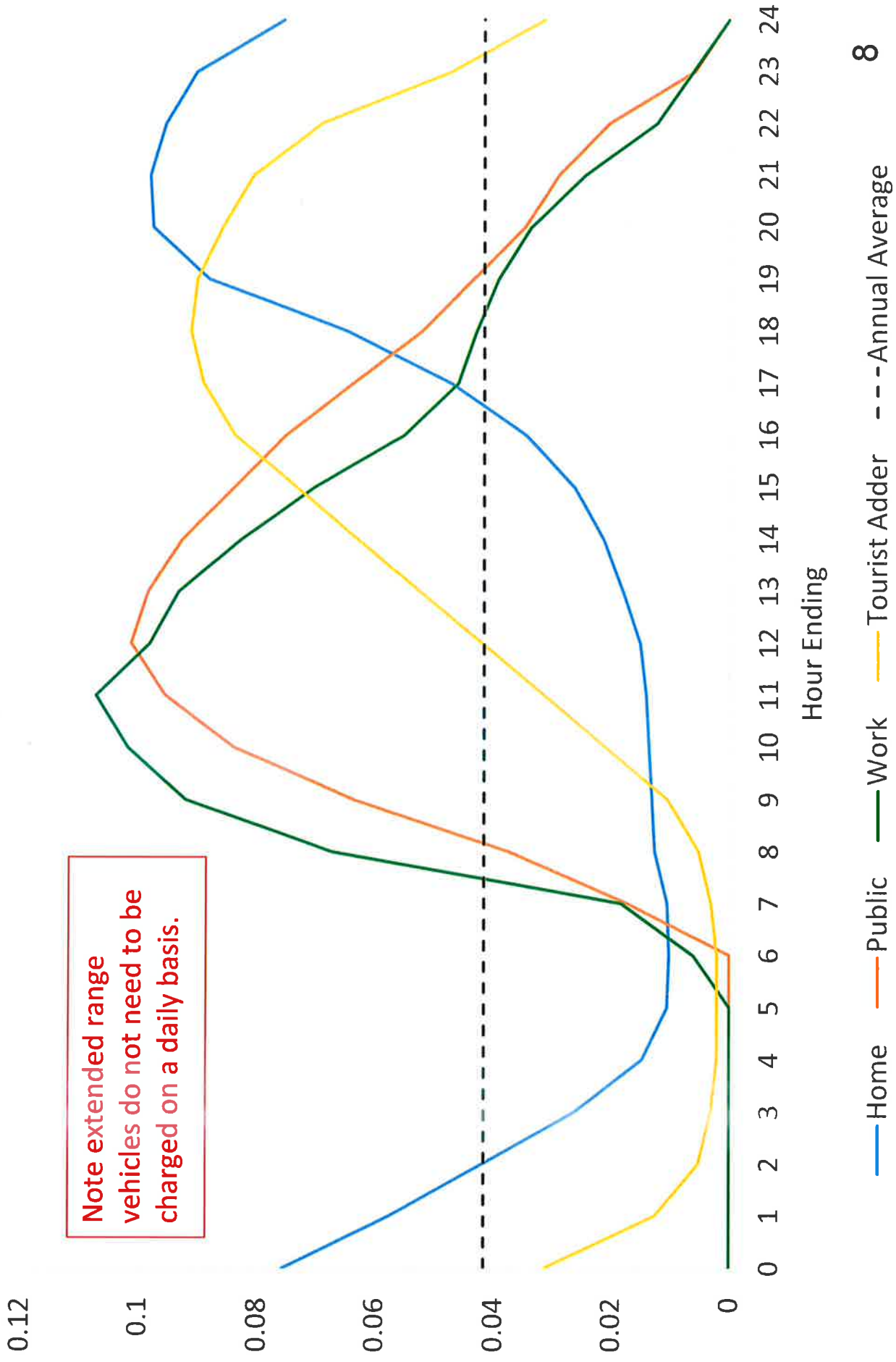
Effective Households Adopting PEVs



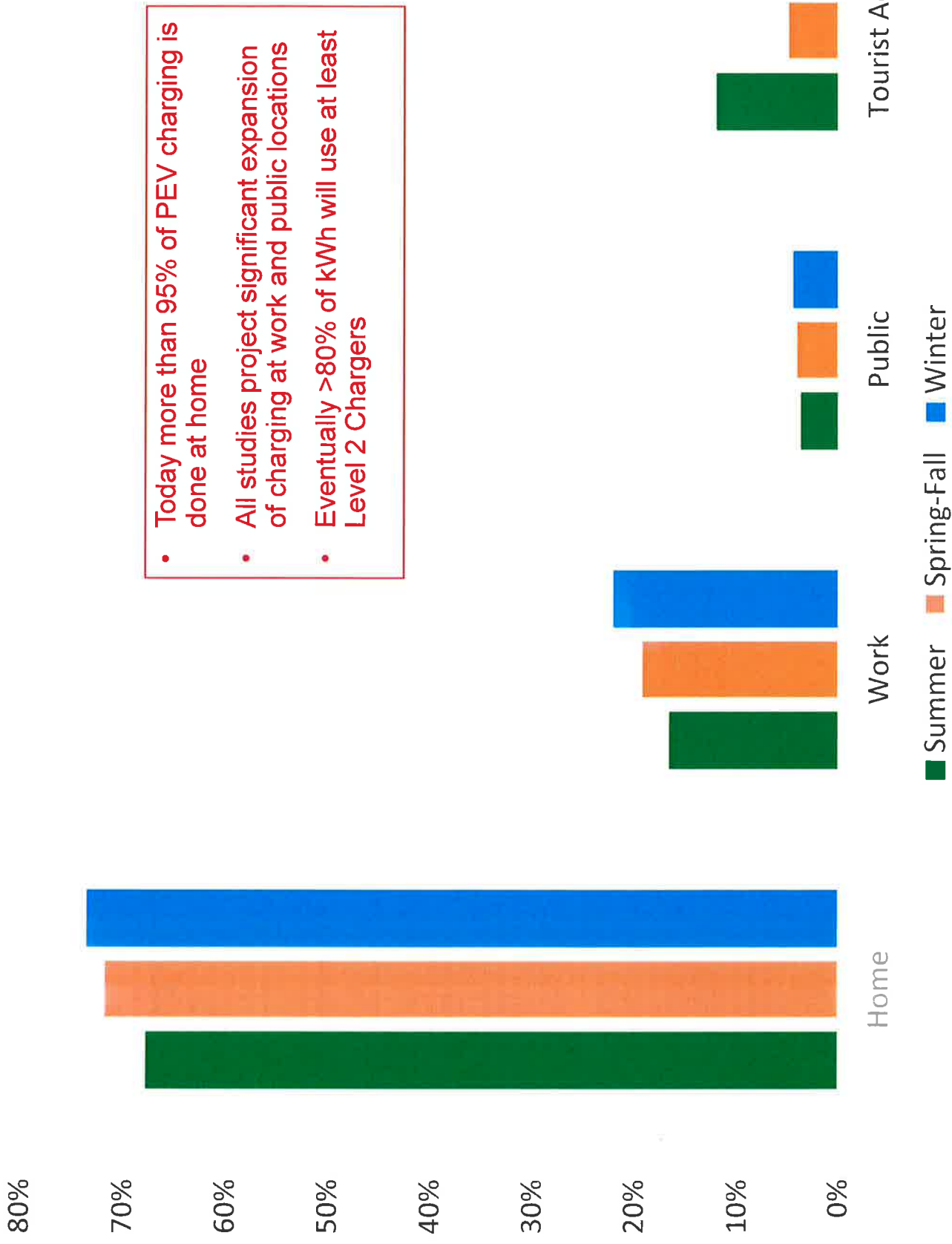
System KWH Load Addition Due to PEVs



PEV Unit Charging Curves By Type over Day Interval for Average Weekday



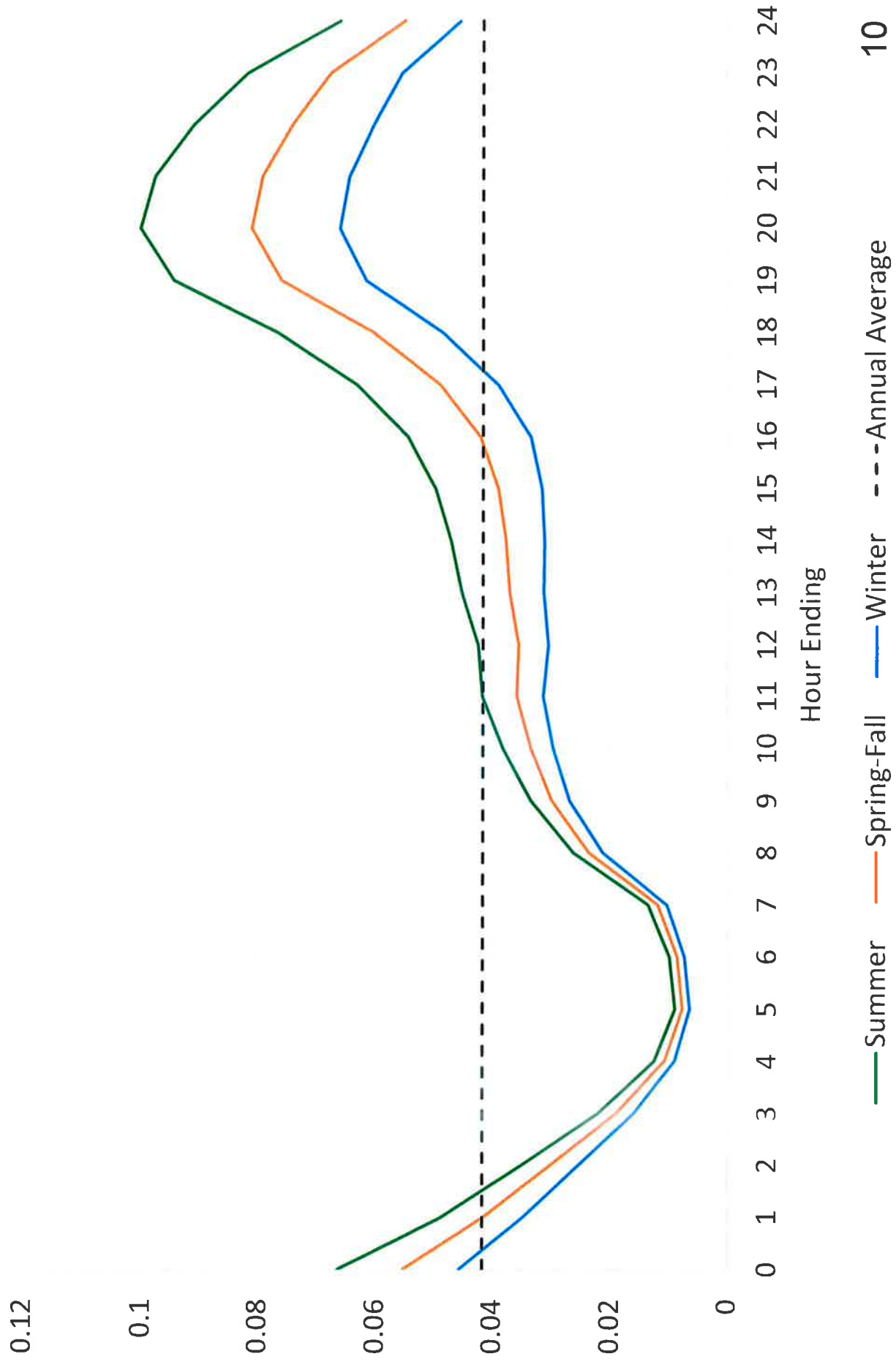
Eventual PEV Charging Proportion by Season



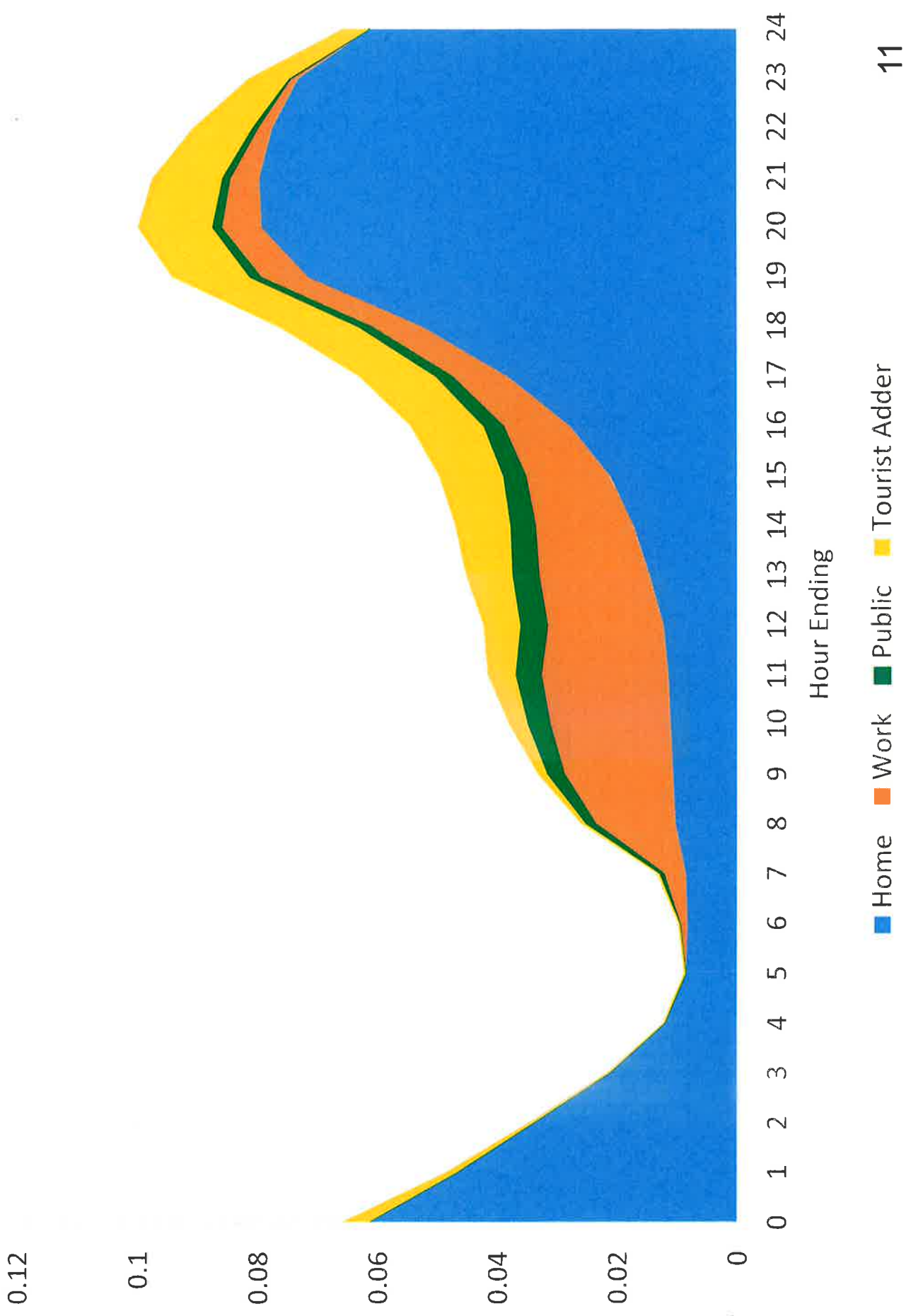
- Today more than 95% of PEV charging is done at home
- All studies project significant expansion of charging at work and public locations
- Eventually >80% of kWh will use at least Level 2 Chargers

Seasonal Per PEV Unit Weekday Charging Curve

Annual Average = 1/24 or 0.041667



Eventual Summer Charging Profile

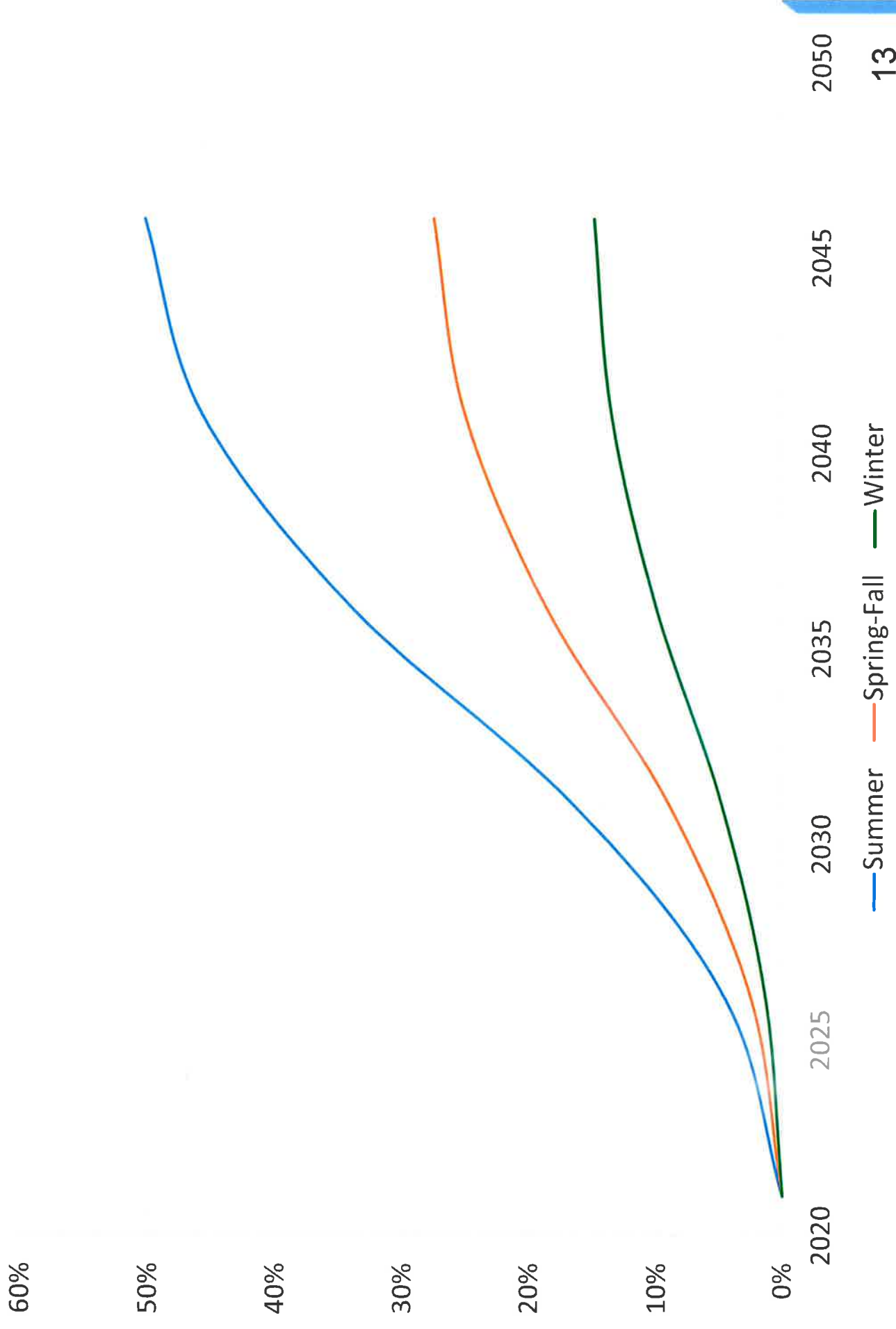




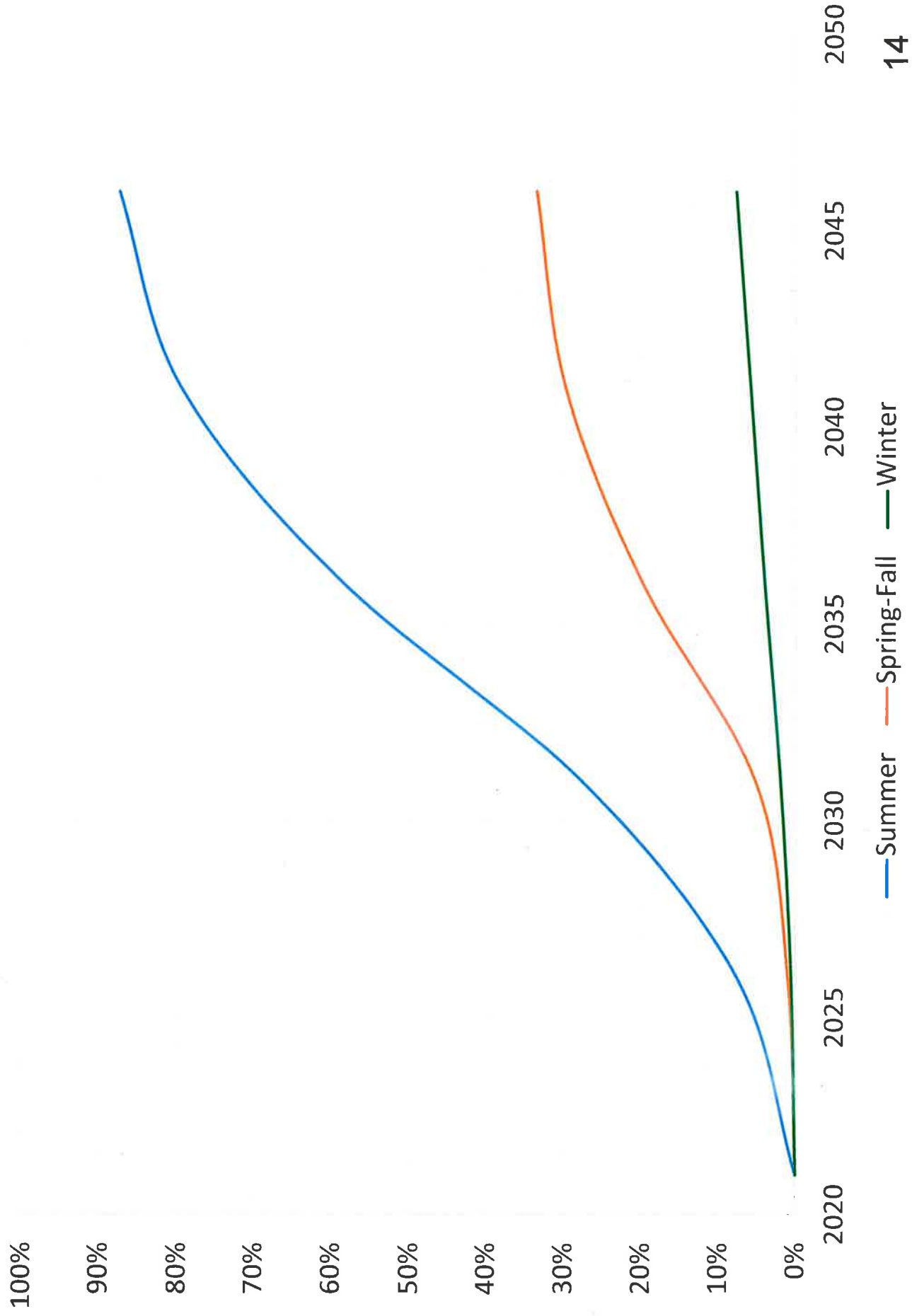
Summary of Analysis



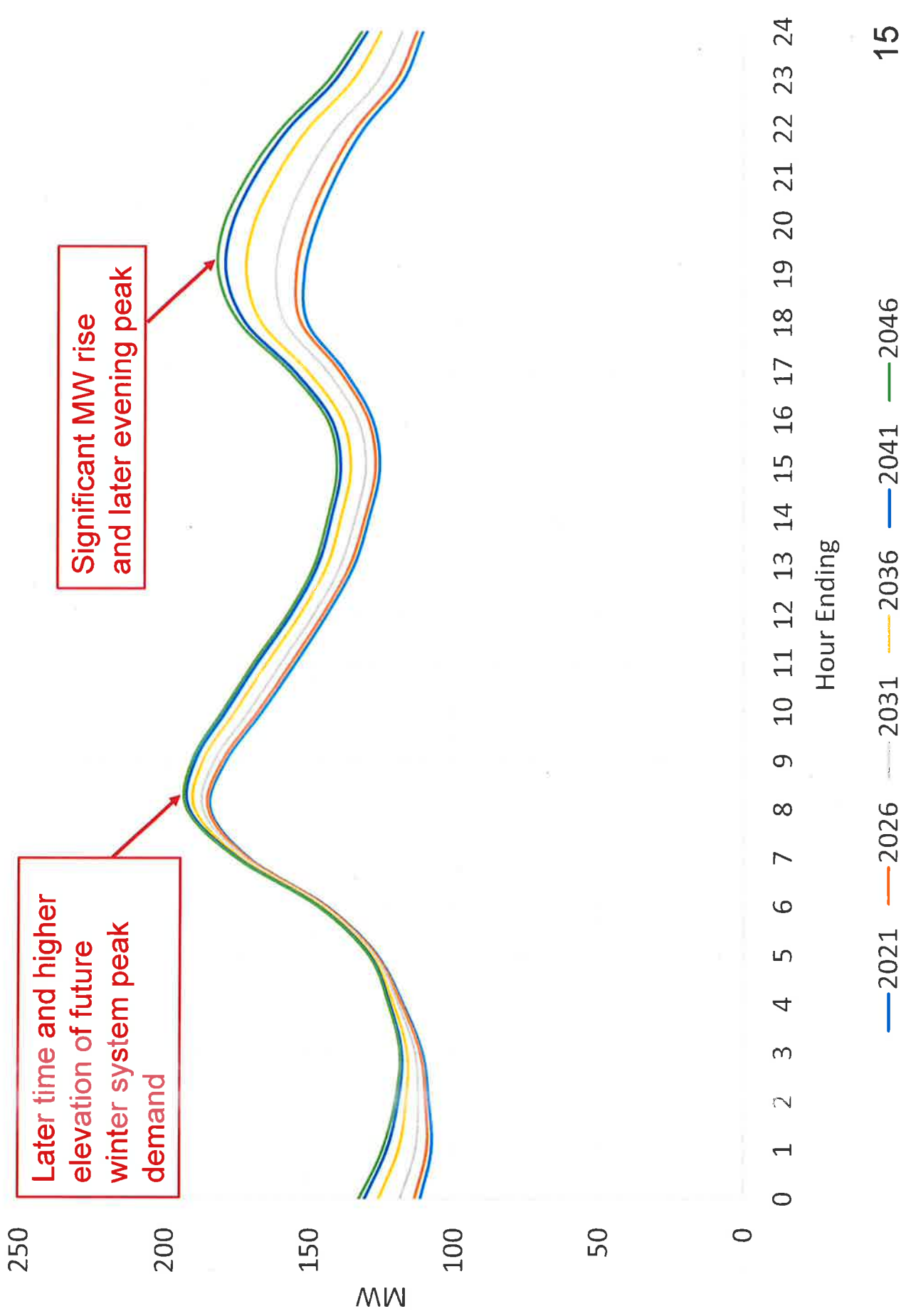
Seasonal kWh Increase due to PEVs



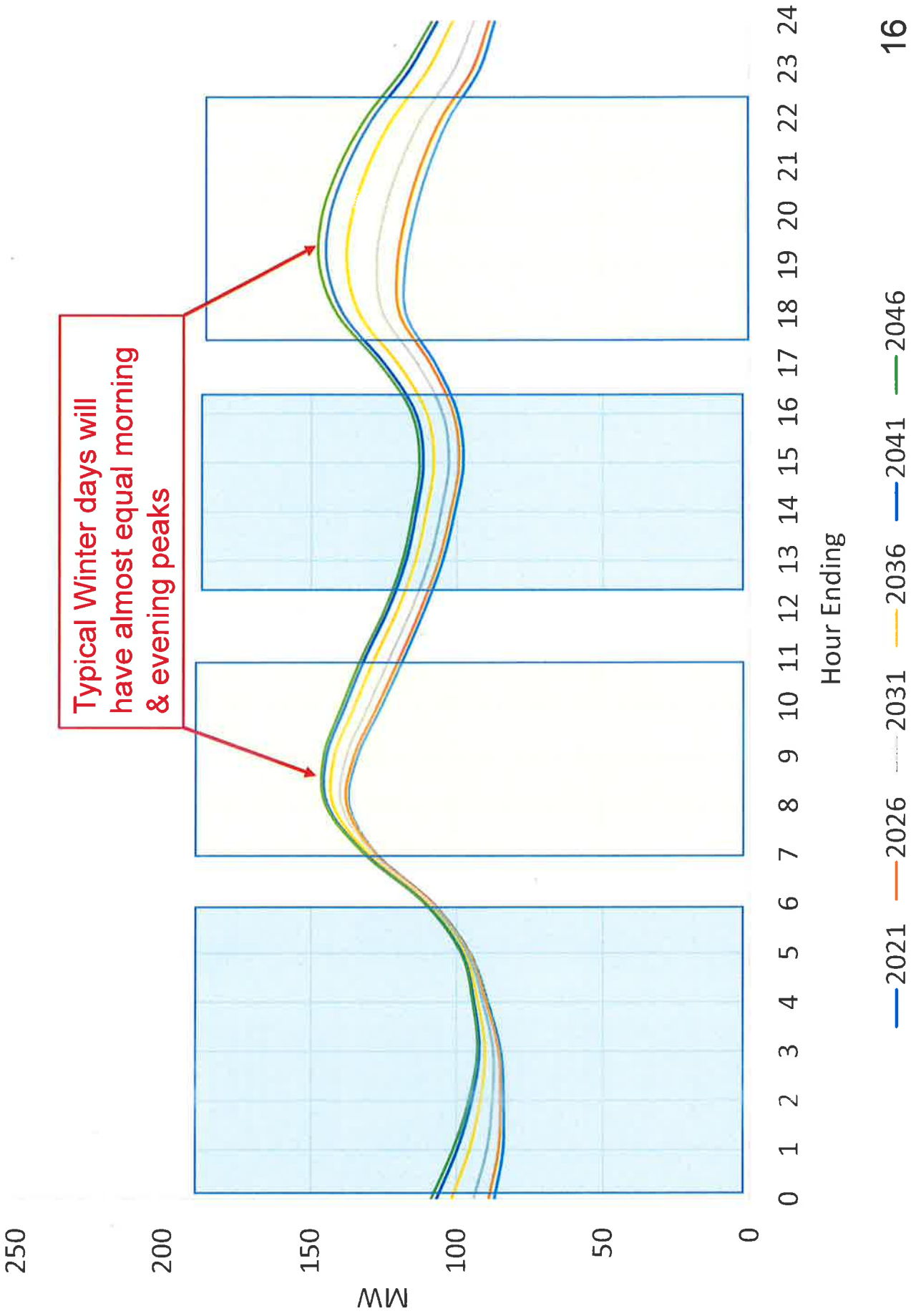
Seasonal KW Demand Increase due to PEVs



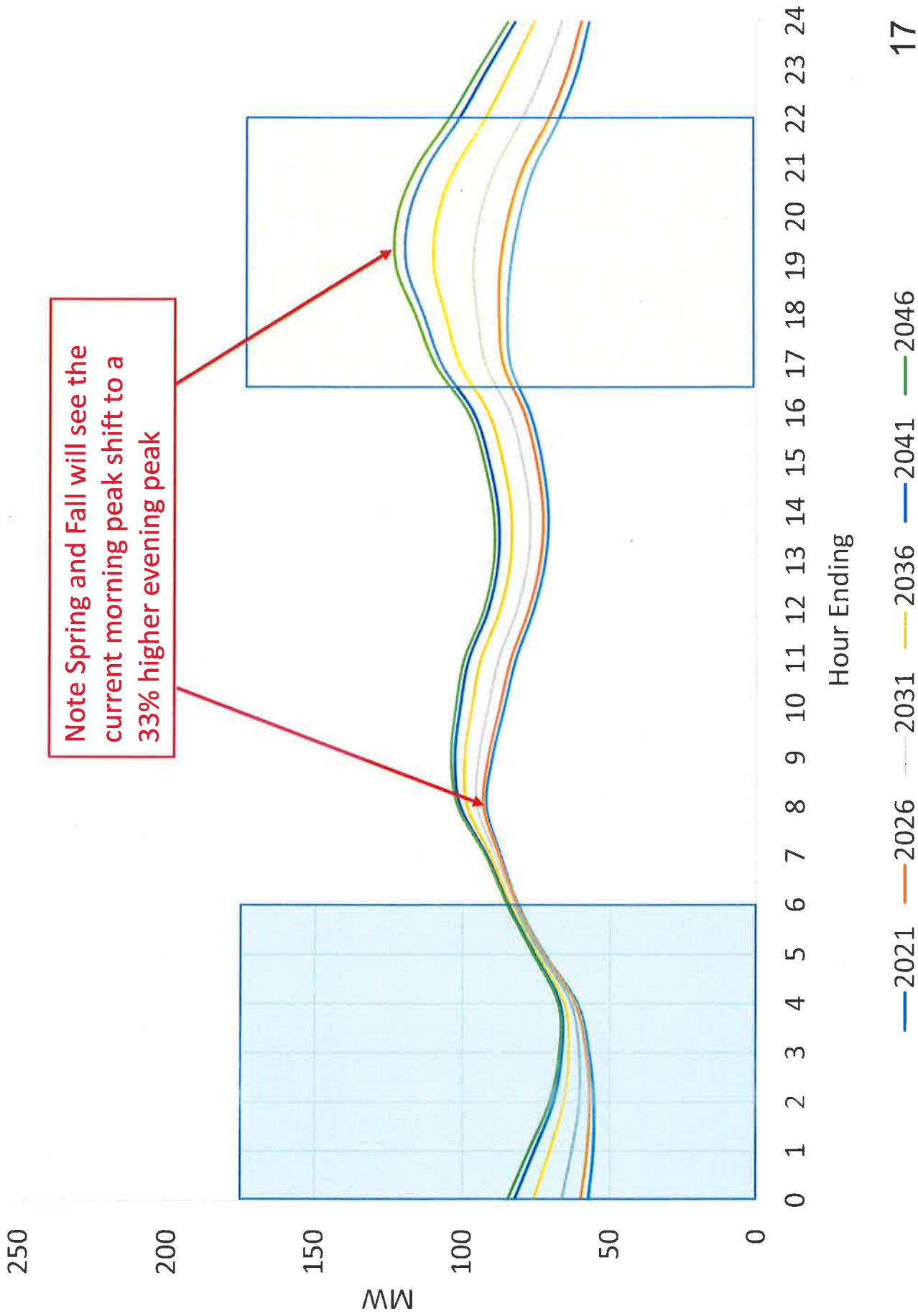
Annual System Peak Load with PEV Addition



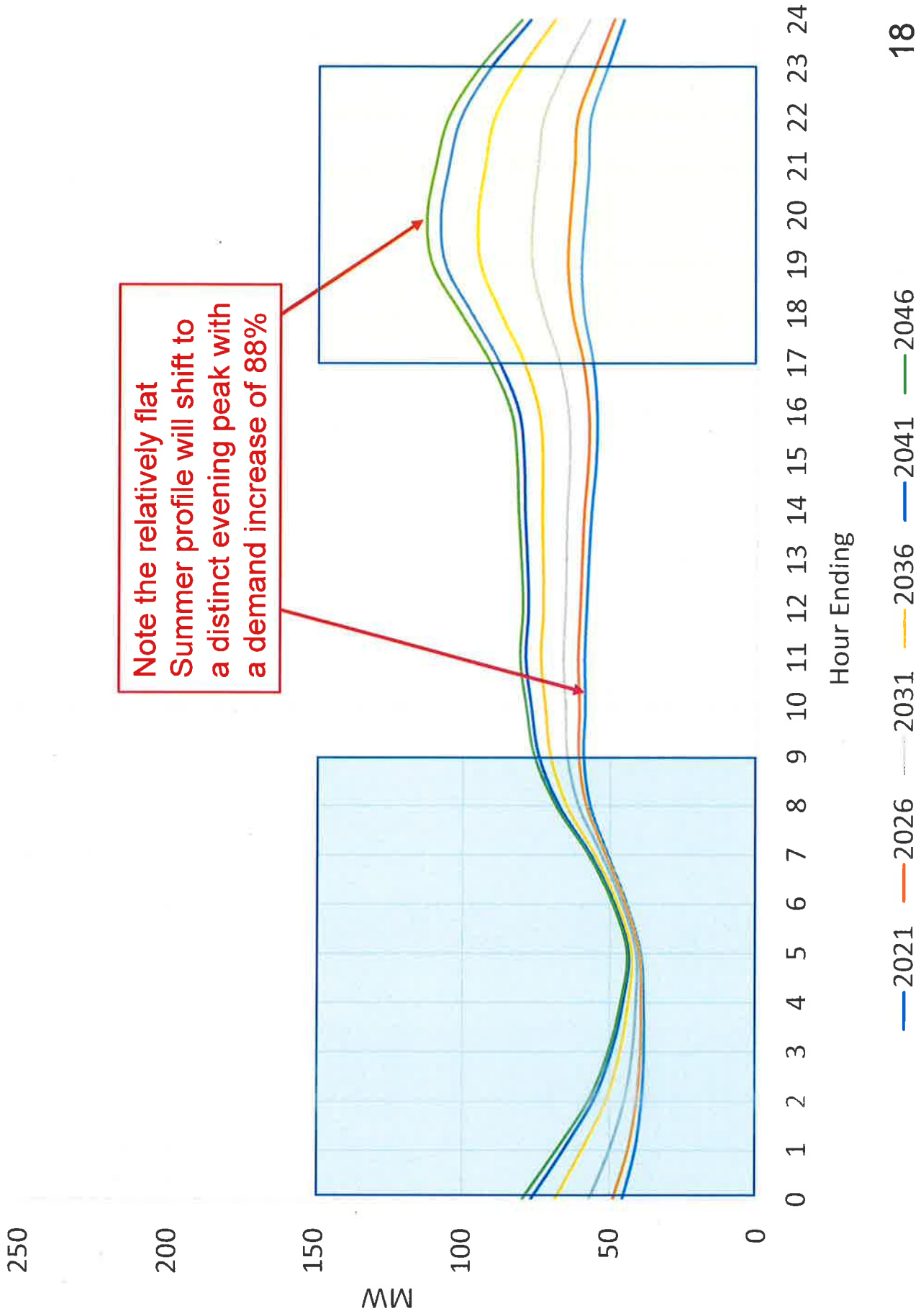
Average Winter Load with PEV Addition



April or October Load With PEV Addition



Summer Load With PEV Addition





Observations



Observations



- As a current winter morning peaking utility, Clallam is comparatively well positioned to add significant PEV load
 - Current Summer peaking utilities will have extraordinary challenges and costly new infrastructure requirements
 - All electric utilities will see large concurrent load additions.
- Eventually Clallam will become evening peaking for up to 9 months a year (currently 1 or 2 months per year)
- Eventual winter peak demand and energy additions for Clallam are on the order of 8% and 15% respectively
- Annual kWh supply and sales increase of about 28%



Observations



- Industry Power and Adequacy Studies rely on submitted IRPs and RPs (lagging analysis)
- Limited horizon, IRPs look 10 years into the future
 - Do not normally consider legislated carbon mandates beyond 10 years
 - **Do not yet consider load growth consistent with substantial vehicle electrification!!!**
- Resource adequacy will require generation additions to power the eventual growth in EVs in our service territory
 - Perhaps 25-30% without effective TOU rates or controls?
 - Perhaps 15-20% with effective TOU rates and controls?
 - Value of local distribution storage increases
- AMI can be leveraged and facilitate TOU rates to mitigate associated distribution infrastructure costs



Observations



- Our summer load, now a relatively minor factor with respect to planning, will become critical
 - Very large load additions to some distribution transformers
 - Late Summer adequacy concerns as our elevated local evening peak will be coincidental to that of the Western Interconnect
- CETA compliance may become problematic over the next two decades, even for BPA customers
 - BPA supply can not exceed 20% carbon through 2044 – CETA
 - PEVs expected to add up to a 28% kWh load addition, placing us at risk
 - Substantial integration of new CETA compliant sources necessary
 - Otherwise +2% annual compounded retail sales rate impact
 - Post 2044 zero carbon CETA mandate much more challenging



Transmission with large PEV load



- Clallam PUD transmission system is adequate for any PEV scenario
- As Clallam monthly peaks transition to afternoons, we will become subject to additional external transmission constraints
- Higher BPA transmission charges year round



Distribution Substations with large PEV load



- Several substation transformers and associated voltage regulators will require capacity upgrades
- A new substation south of Sequim necessary
- Reduction in substation reserve margins and adverse impact on loss of substation contingencies
- Substation UG cable getaway capacity restrictions
 - Roughly a dozen station getaway cables will need capacity upgrades or segmentation
- System protection and voltage control modifications



Distribution System with large PEV load



Bringing Energy To Life™

- As many as 2,000 distribution transformers may need capacity upgrade to support EV charging
- Several hundred new transformers and services required for charging infrastructure
- Significant infrastructure requirements to support commercial “Fast” or “Super” EV chargers?
 - 8 bay Tesla supercharger has a demand and transformer requirement that is similar to a Walmart Supercenter
- Heavily loaded distribution feeders will require upgrade or division for capacity
- Even some end of line conductor upgrades required for voltage control



Infrastructure Support



- Additional challenges associated with commercial and governmental EV fleets or large vehicle electrification not considered in this analysis
- Long term capital infrastructure activity likely to increase by up to 20% and by as much as \$1,000,000 per year
- At some point, staffing additions likely required to build and support the electric distribution infrastructure required to support EVs
 - +Electric Line Crew?
 - +Substation Technician?
 - +Engineer?
 - +Serviceman helpers?
 - +Power supply analyst?





Questions?



Clallam County Public Utility District gets perfect score in national review

By Rob Ollikainen

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PORT ANGELES — Clallam County Public Utility District has received a perfect score in a national review of its electric system's reliability, safety, workforce development and system improvement.

Clallam PUD received 100 out of 100 possible points from the American Public Power Association in its Reliable Public Power Provider (RP3) assessment for 2020, district officials said.

It is one of six public power systems in the state to hold a "diamond" rating of 98 points or more.

"This is a big deal," Commissioner Will Purser, board chairman, said after a staff presentation Monday.

"It's quite an endorsement of the job we're doing."

The 2020 designation, which is valid for three years, is a "sign of us having an efficient, safe and reliable distribution system," said Nicole Hartman, district communications and government relations manager.

"It's also an opportunity for us as a PUD to kind of perform a self-assessment against an established standard," Hartman added.

The diamond designation may improve the district's bond rating, result in savings on worker's compensation and insurance and attract prospective businesses to the area, PUD officials said.

"Our utility is one of the county's greatest assets, and this RP3 recognition helps us show it to the public," General Manager Doug Nass said.

"I know how hard our employees work to serve our customers."

PUD department heads spent about four months gathering information and submitting thousands of pages of application materials to the American Public Power Association (APPA) for the district's third RP3 designation.

Previously, Clallam PUD received scores of 90.5 in 2014 and 97.5 in 2017.

APPA has more than 2,000 members nationwide, 127 of which received a diamond-level RP3 rating.

Benton, Clark and Cowlitz County PUDs, Mason PUD 3 and Seattle City Light are the only other public power providers in the state to have diamond ratings, Hartman said in a Thursday email. She did not know if any of those utilities had achieved a perfect score.

Clallam County PUD's application was spearheaded by Nass, Hartman, Assistant General Manager John Purvis, Human Resources Manager Jamie Spence, Safety Manager Larry Morris, Finance Manager Sean Worthington and Information Technology Manager Steve Schopfer, all of whom gave detailed summaries in the commissioners' meeting Monday.

"I want to emphasize that it's not just the speakers who contribute to the RP3," Purvis said in a virtual business meeting.

"I would venture to say that as many as 30 people are involved in Clallam PUD's submission.

"For the sections I'm involved in," Purvis added, "it's probably closer to 20 people who contribute major sections of this, even down to the linemen and substation technicians who actually, day-to-day, run our programs."

Commissioners Purser and Rick Paschall each said the RP3 designation was "worth the effort."

"It is a benchmarking exercise, and we were looking at the metrics that a good utility should be looking at," Purser said.

"It's a good endorsement."

Reporter Rob Ollikainen can be reached at rollikainen@peninsuladailynews.com.